

ABSTRACT

A fuel cell is manufactured using a polymer electrolyte membrane (1). A catalyst layer (12) is formed at fixed intervals on the surface of the strip-form polymer electrolyte membrane (1) in the lengthwise direction thereof, and conveyance holes (10) are formed in series at fixed intervals on the two side portions thereof. By rotating a conveyance roller (32) comprising on its outer periphery projections which engage with the holes (10), the polymer electrolyte membrane (1) is fed from a reel (9). A GDL (6) and a separator (7) are adhered to the fed polymer electrolyte membrane (1) at a predetermined processing timing based on the rotation speed of the conveyance roller (32), and thus the fuel cell is manufactured efficiently while the GDL (6) and separator (7) are laminated onto the catalyst layer (12) accurately.